

For Research Use Only

BLNK Monoclonal antibody

Catalog Number: 66953-1-Ig



Basic Information

Catalog Number: 66953-1-Ig	GenBank Accession Number: BC018906	Purification Method: Protein G purification
Size: 150ul, Concentration: 2400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 29760	CloneNo.: 1A1A1
Source: Mouse	UNIPROT ID: Q8WV28	Recommended Dilutions: WB 1:3000-1:8000 IHC 1:250-1:1000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: B-cell linker	
Immunogen Catalog Number: AG28673	Calculated MW: 50 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
Human, pig, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human spleen tissue, Raji cells, Daudi cells, Ramos cells, pig spleen tissue

IHC : human appendicitis tissue, mouse thymus tissue, rat spleen tissue

IF/ICC : Raji cells, NIH/3T3 cells

Background Information

BLNK (also known as SLP-65 or BASH) is an important adaptor protein selectively expressed in B-lineage cells. BLNK bridges B cell receptor-associated kinase activation with downstream signaling pathways, thereby affecting various biological functions. BLNK has been shown to be necessary for BCR-mediated Ca²⁺ mobilization, for the activation of mitogen-activated protein kinases such as ERK, JNK, and p38 in a chicken B cell line DT40, and for activation of transcription factors such as NF-AT and NF-κB in human or mouse B cells. BLNK plays a crucial role in pre-BCR-dependent progression of B cell development, BCR-mediated B cell survival, activation, proliferation, and T-independent immune responses.

Storage

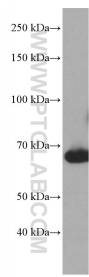
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

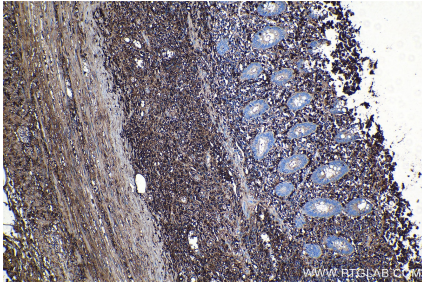
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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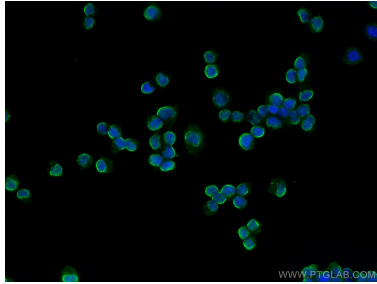
Selected Validation Data



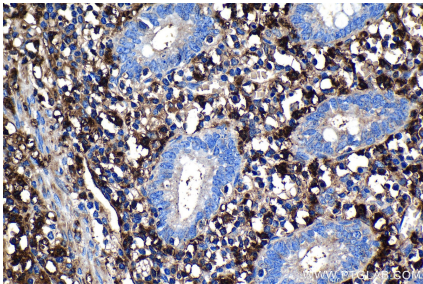
human spleen tissue were subjected to SDS PAGE followed by western blot with 66953-1-Ig (BLNK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 66953-1-Ig (BLNK antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Raji cells using BLNK antibody (66953-1-Ig, Clone: 1A1A1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 66953-1-Ig (BLNK antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).